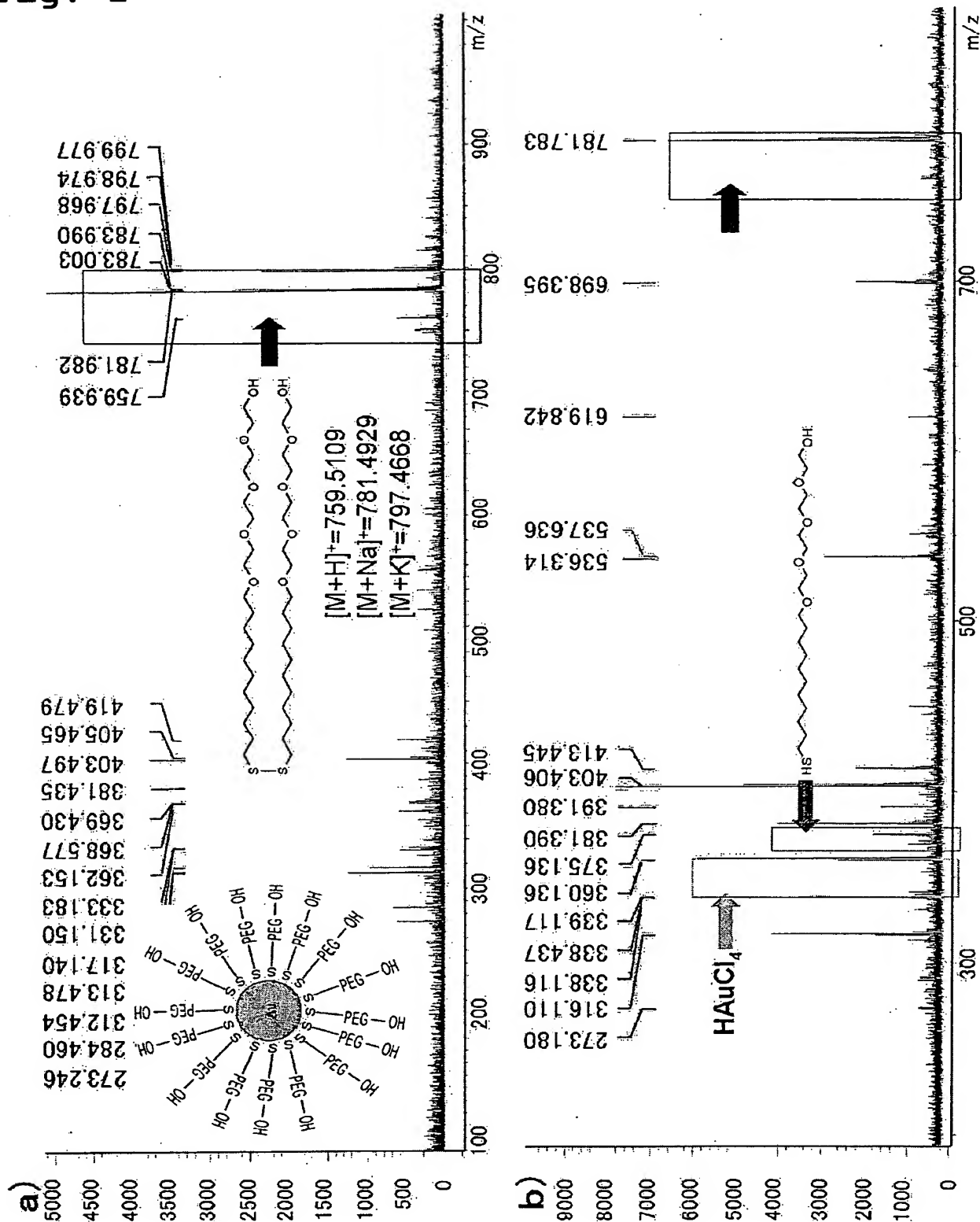


Fig. 1



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Fig. 2

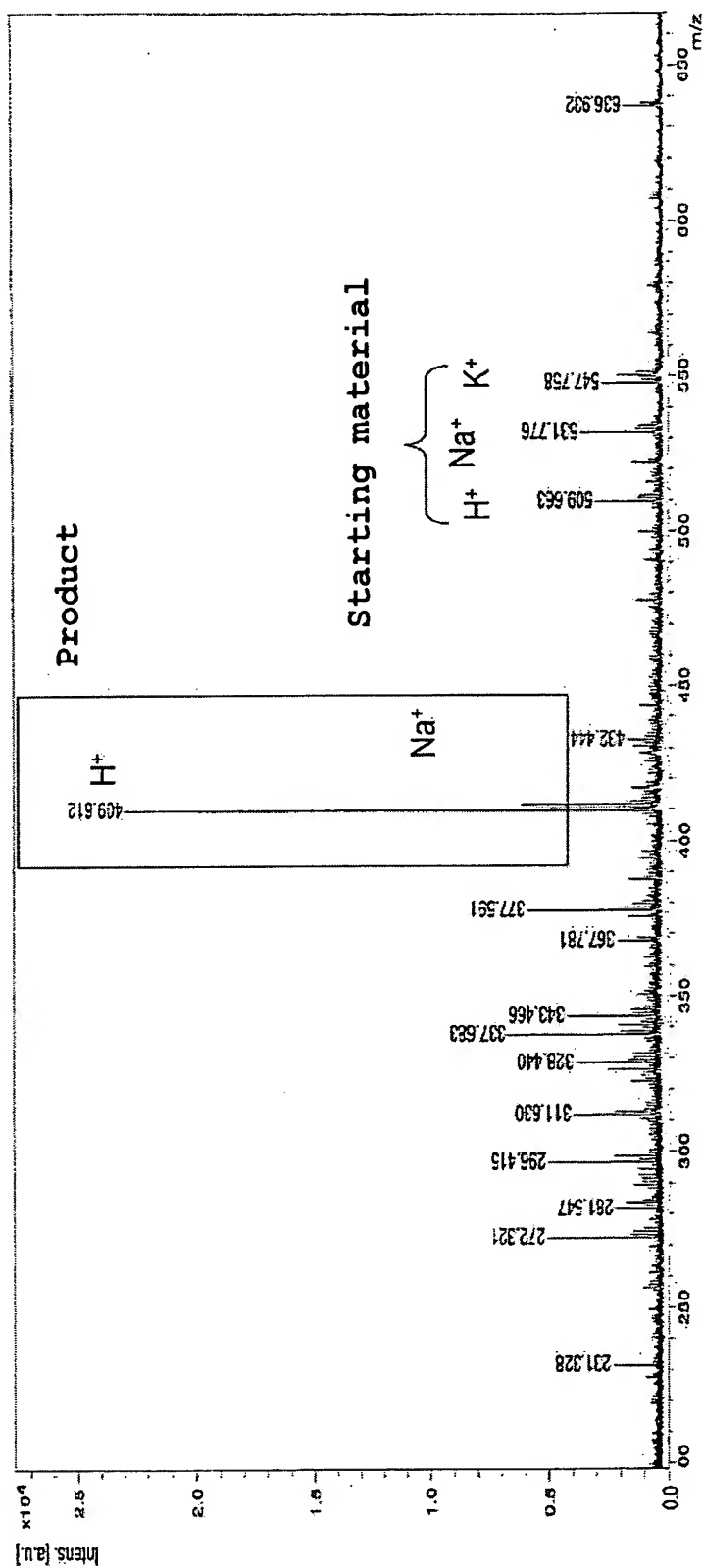
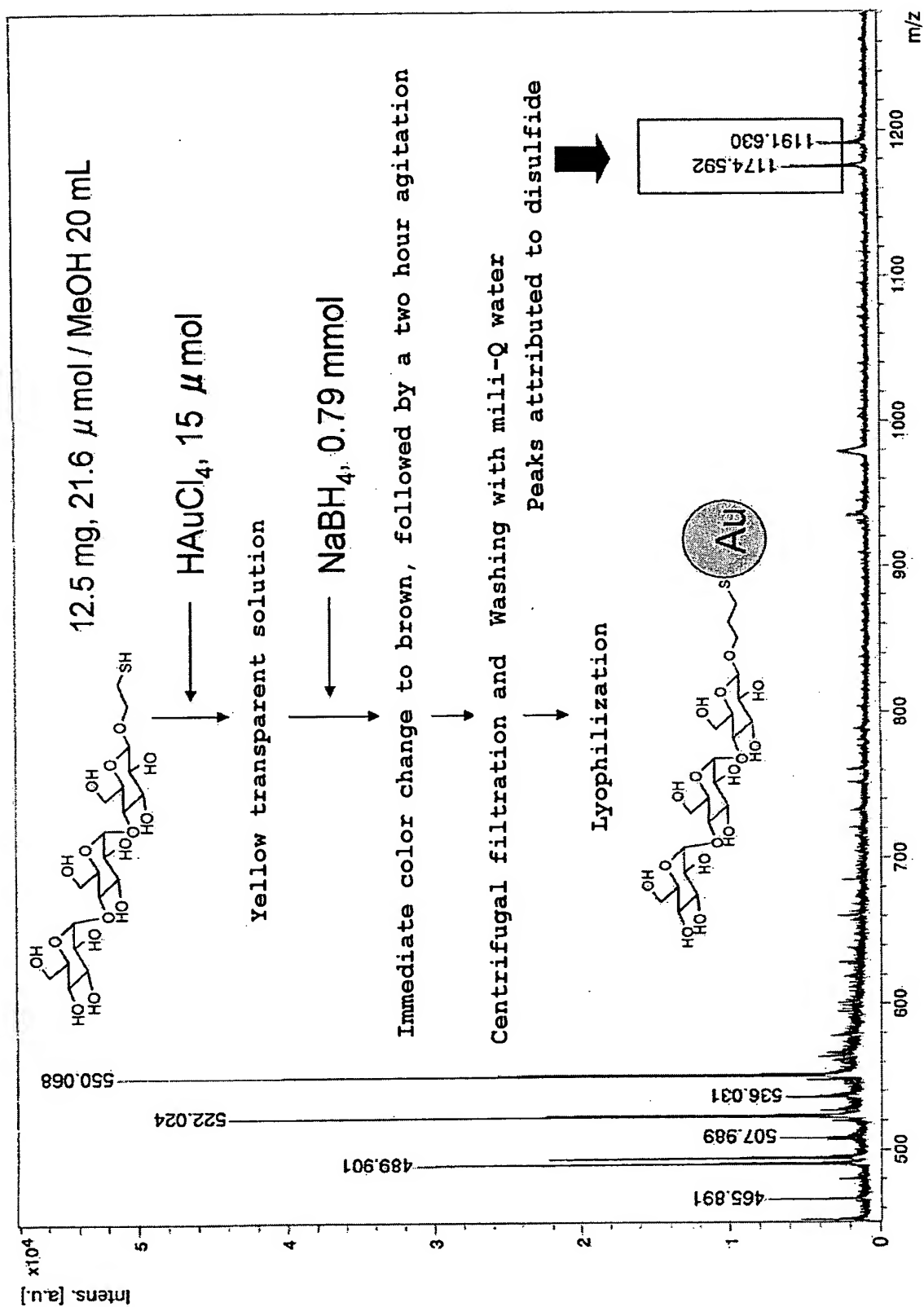


Fig. 3



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Fig. 4

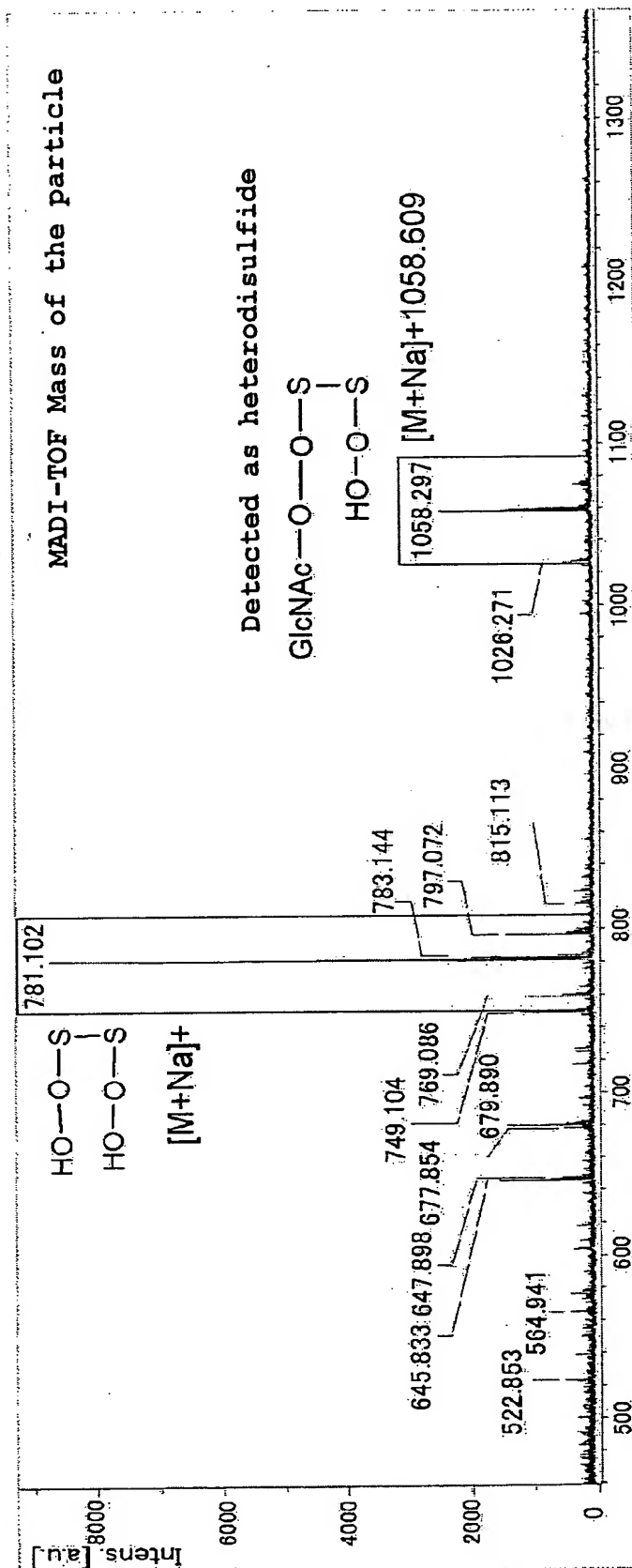
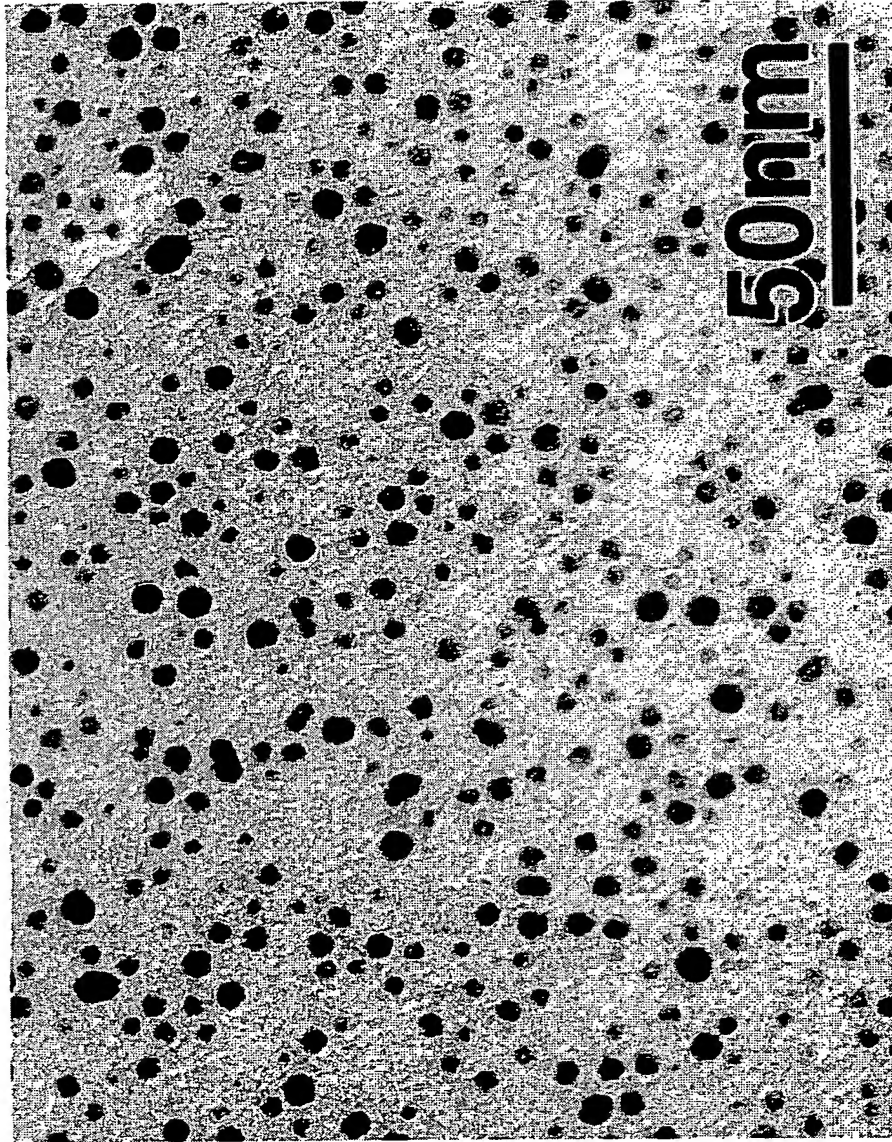
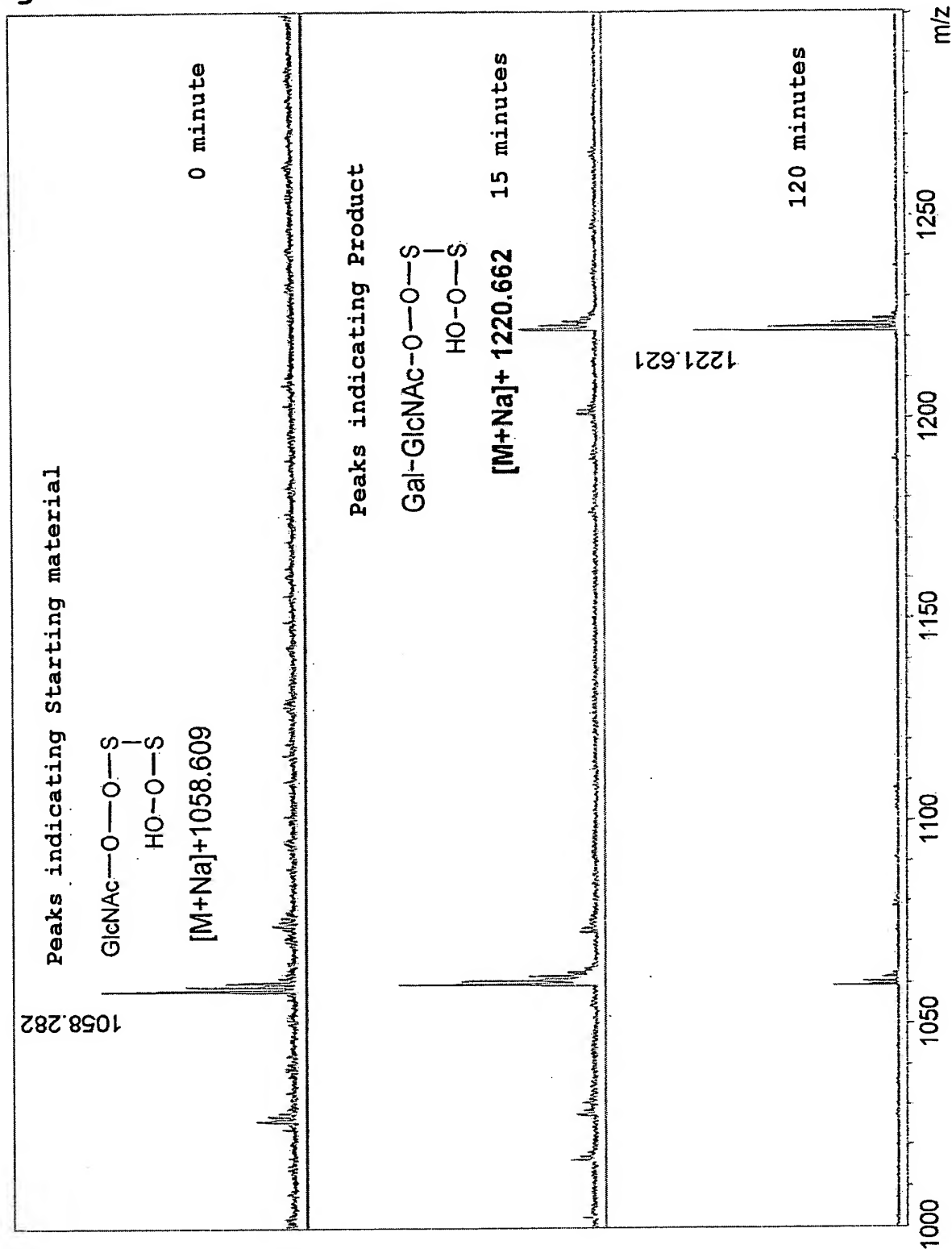


Fig. 5



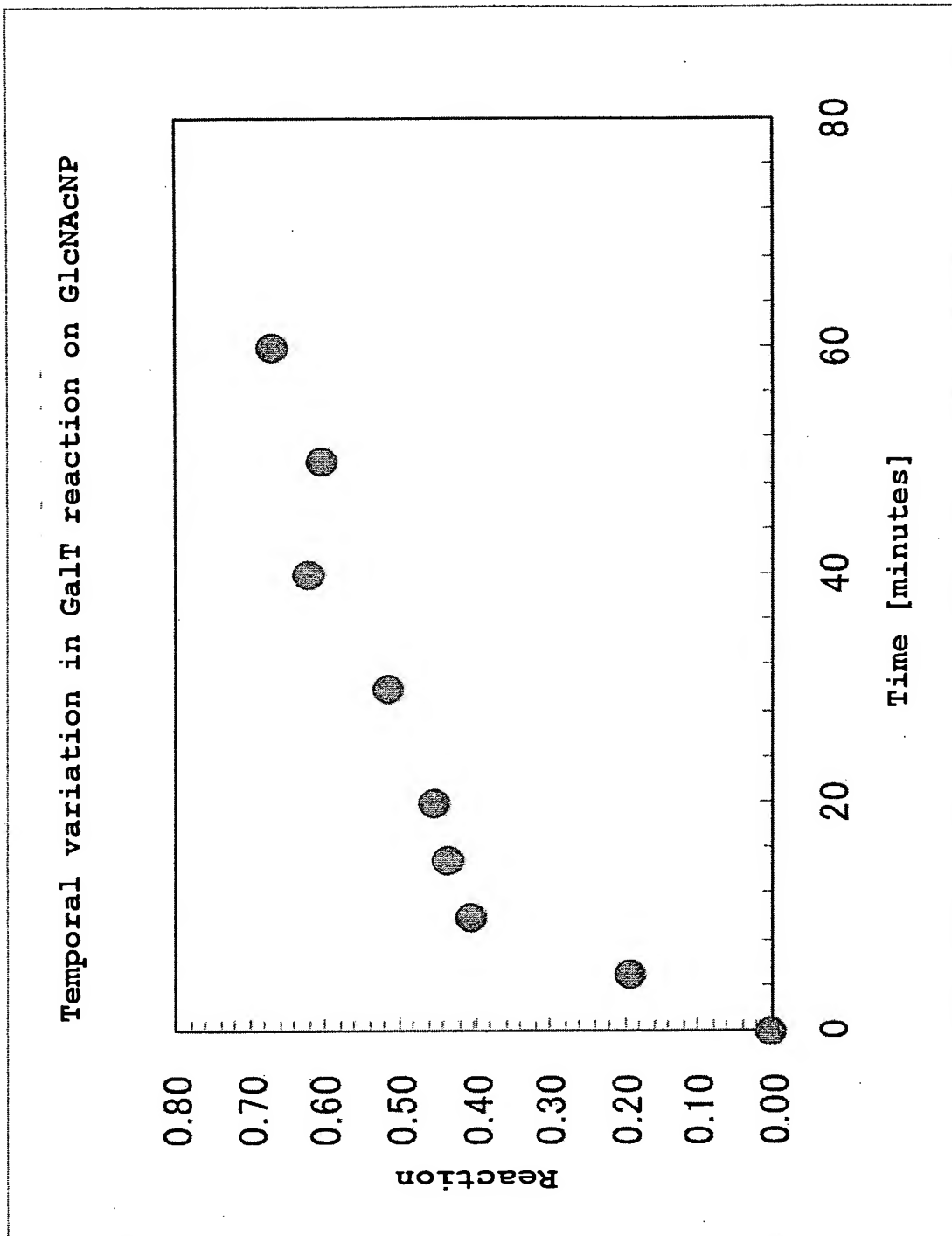
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Fig. 6



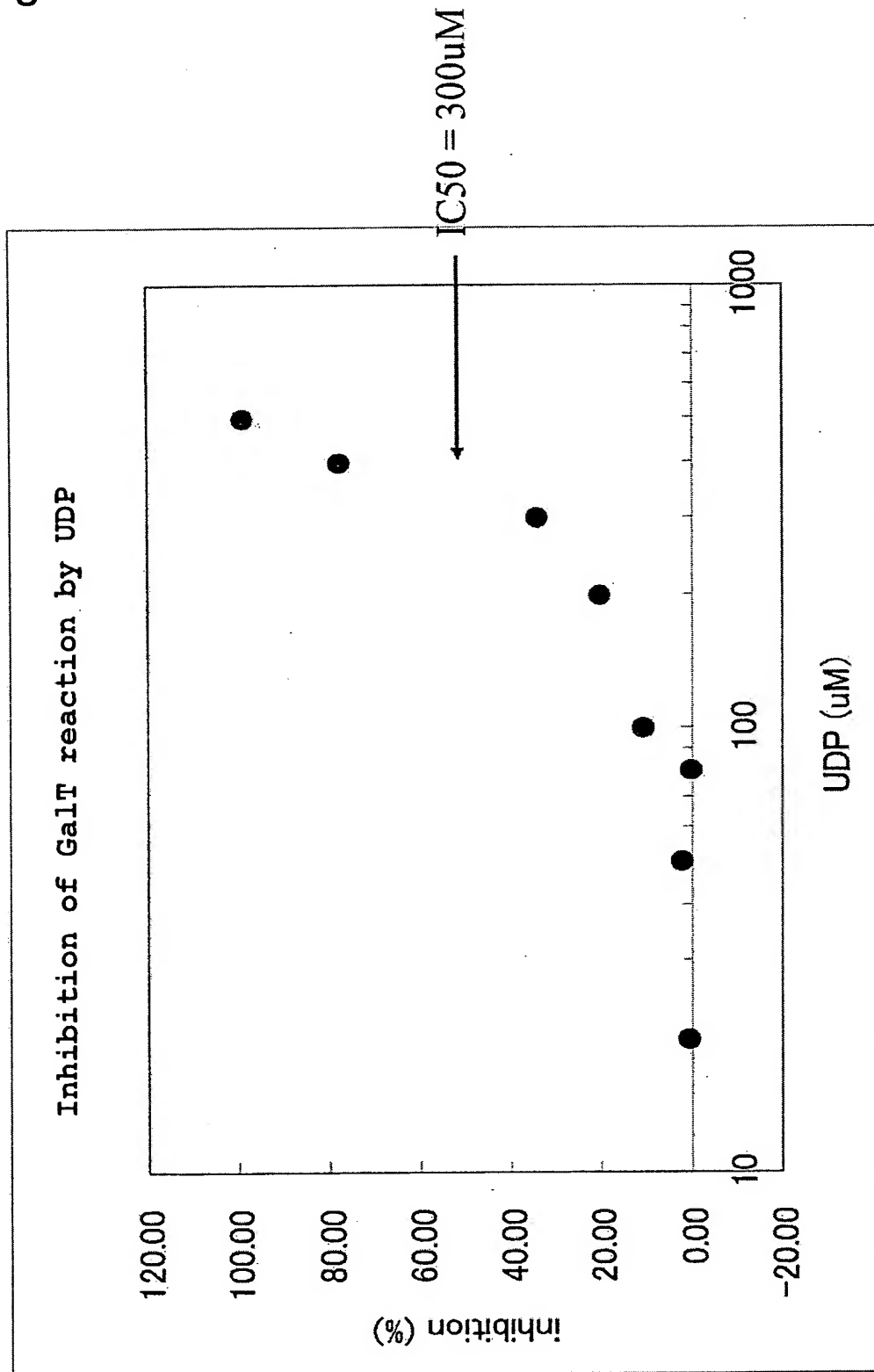
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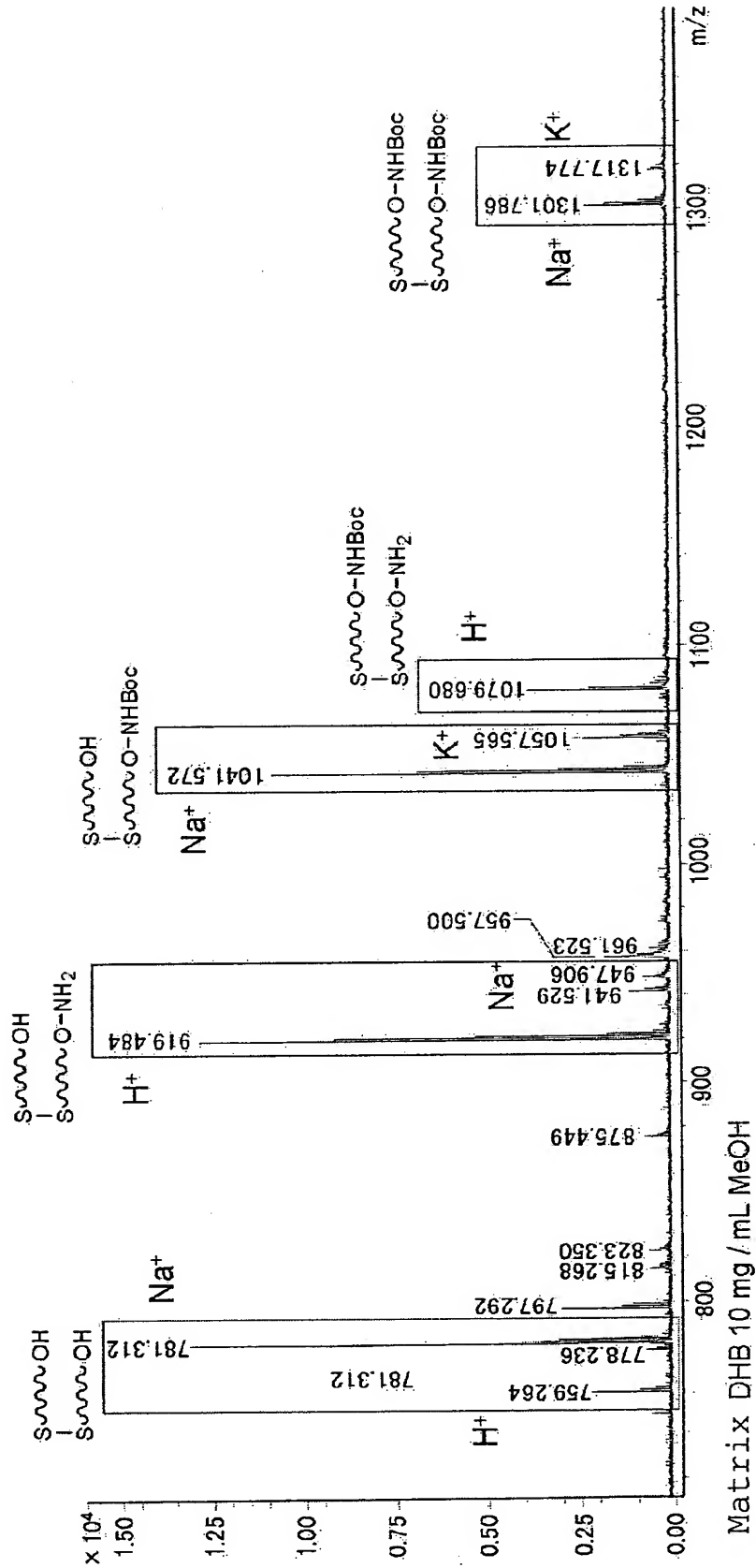
Fig. 7



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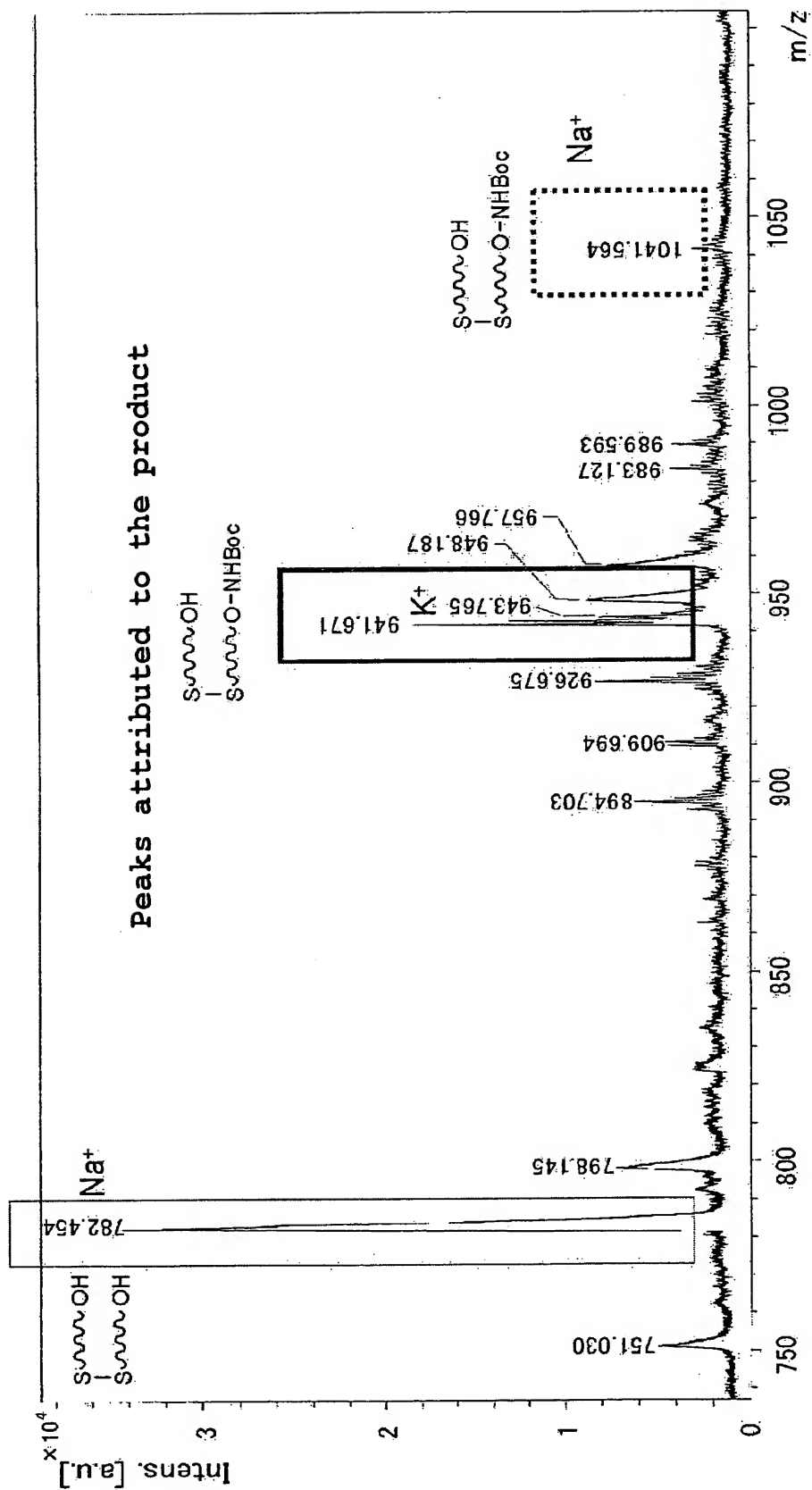
Fig. 8





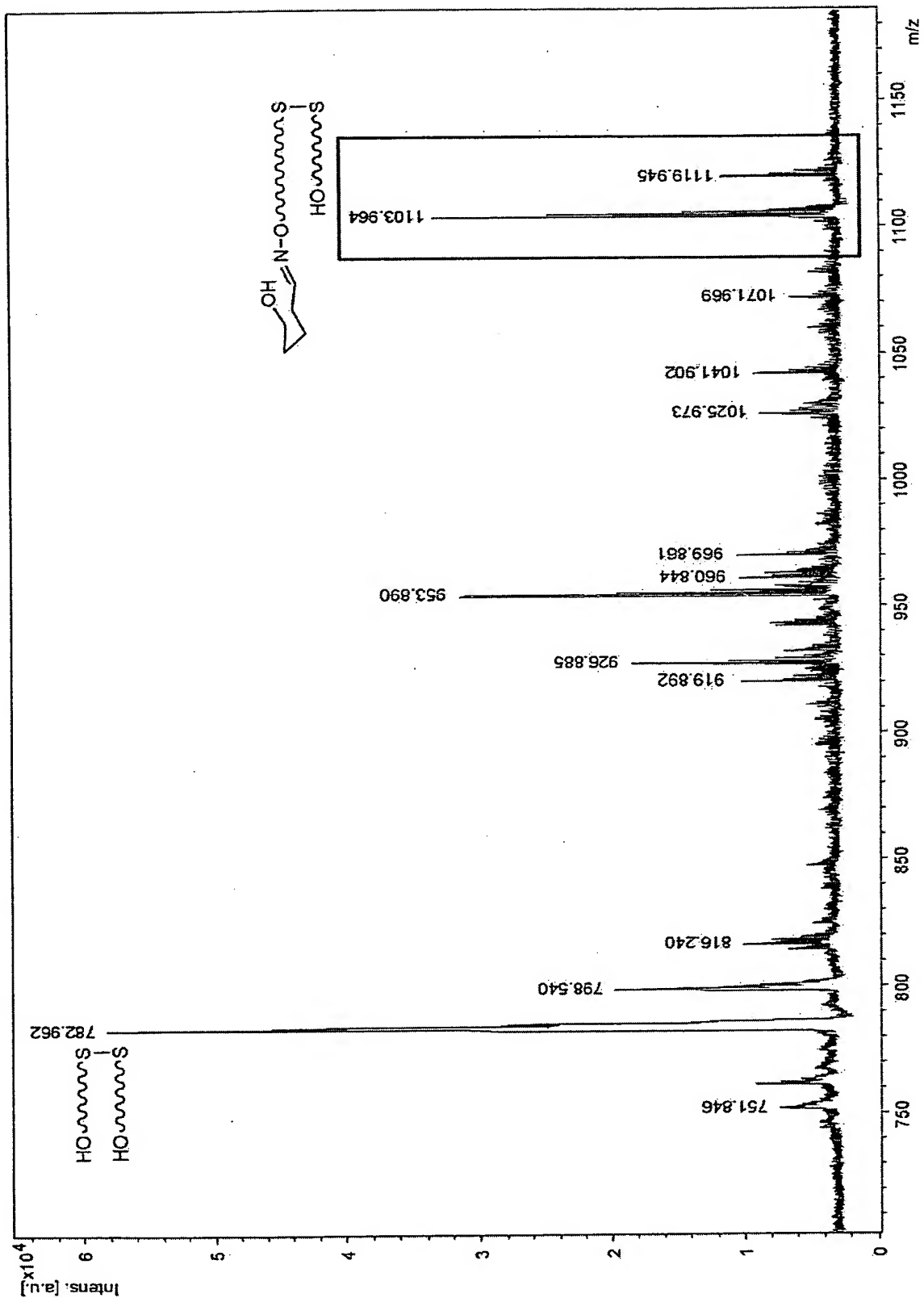
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Fig. 10



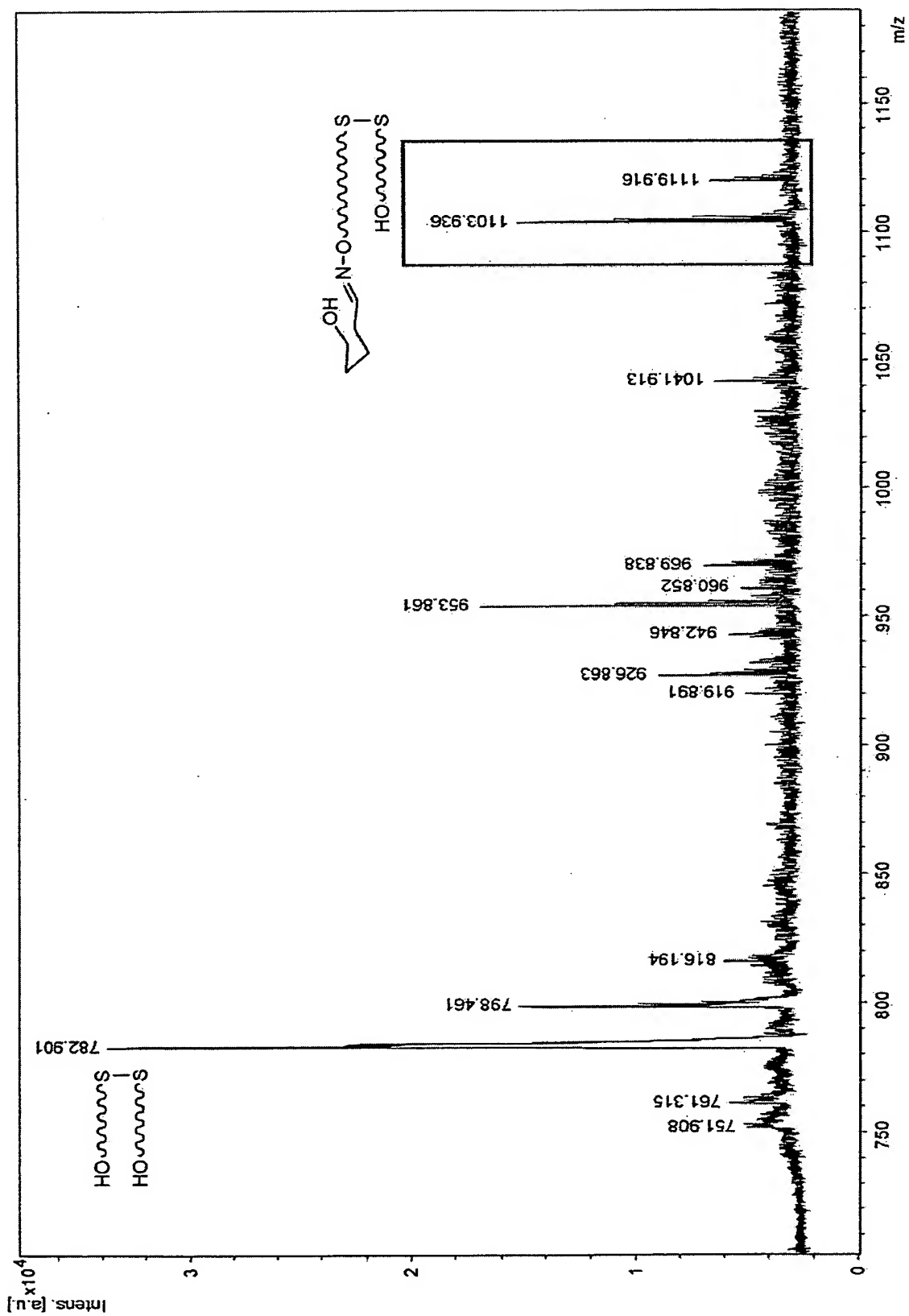
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Fig. 11



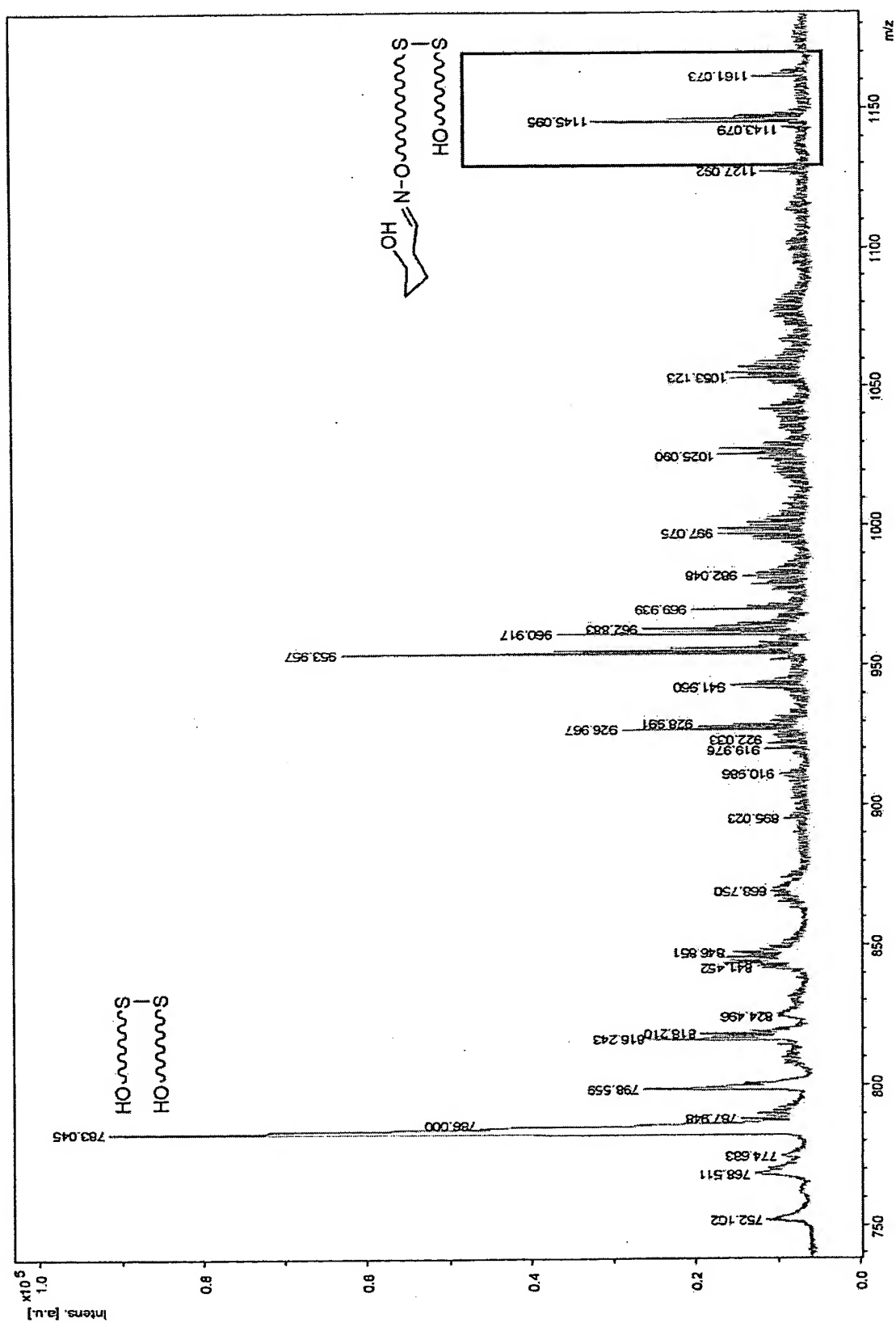
12/32

Fig. 12



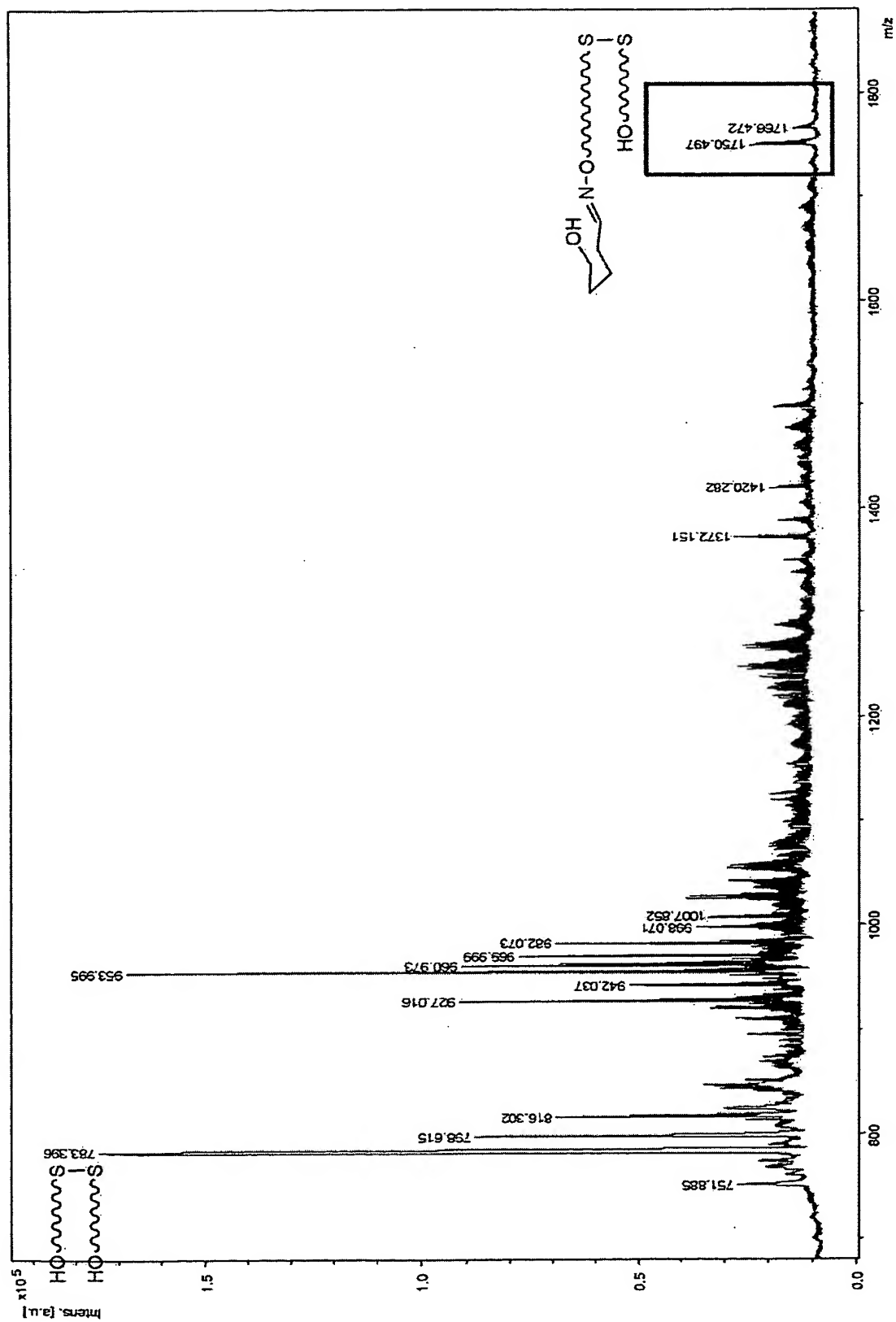
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Fig. 13



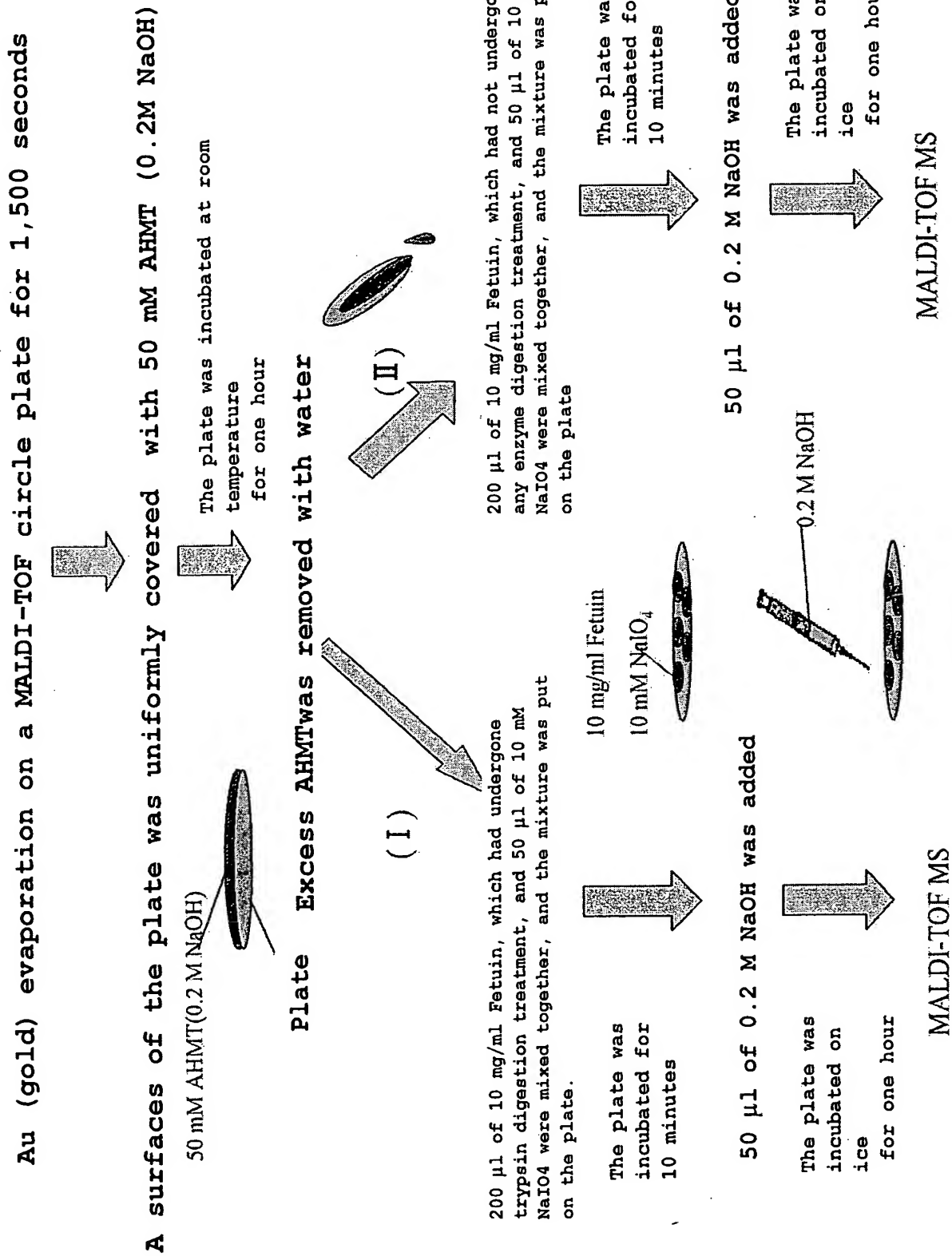
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Fig. 14



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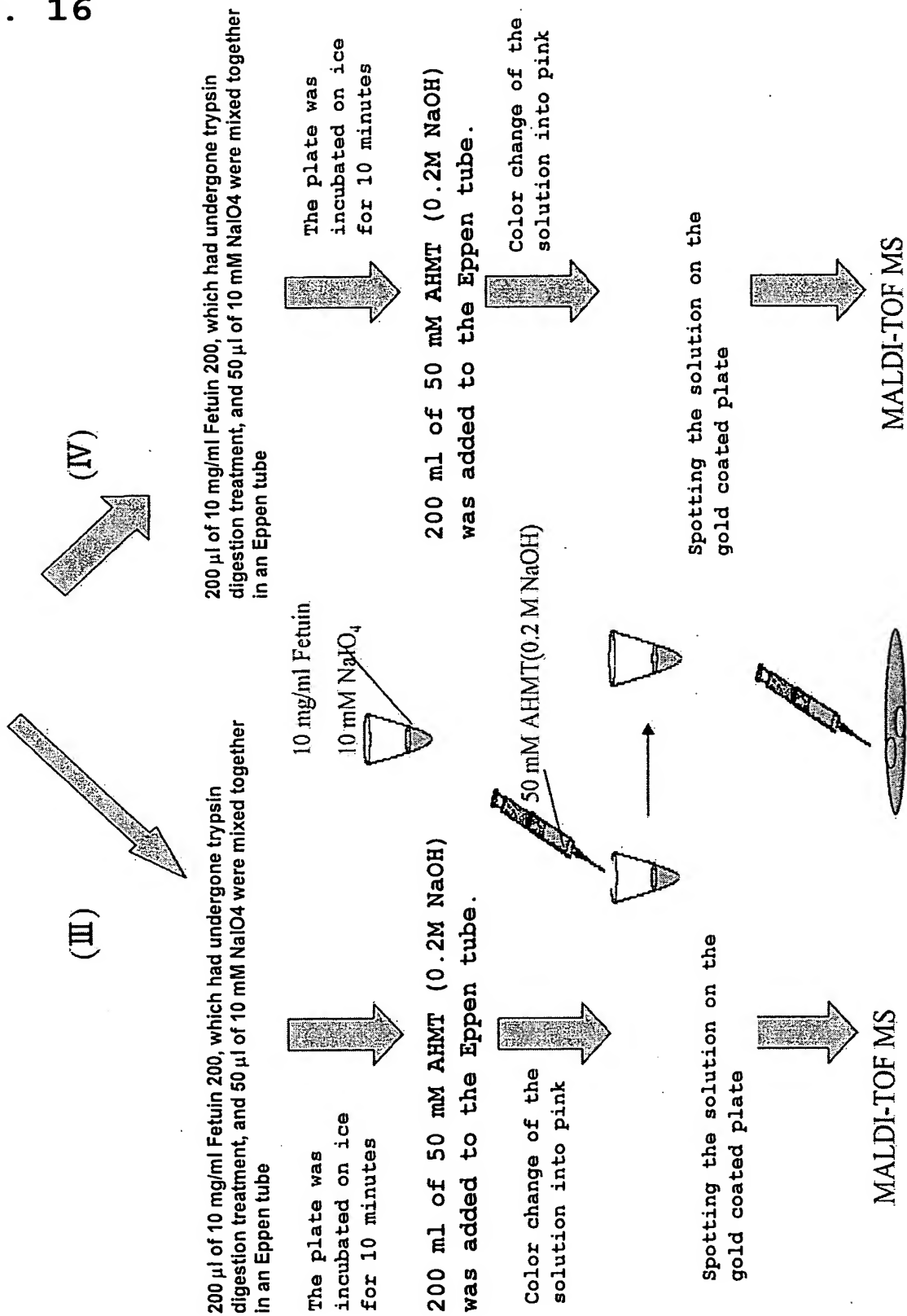
Fig. 15



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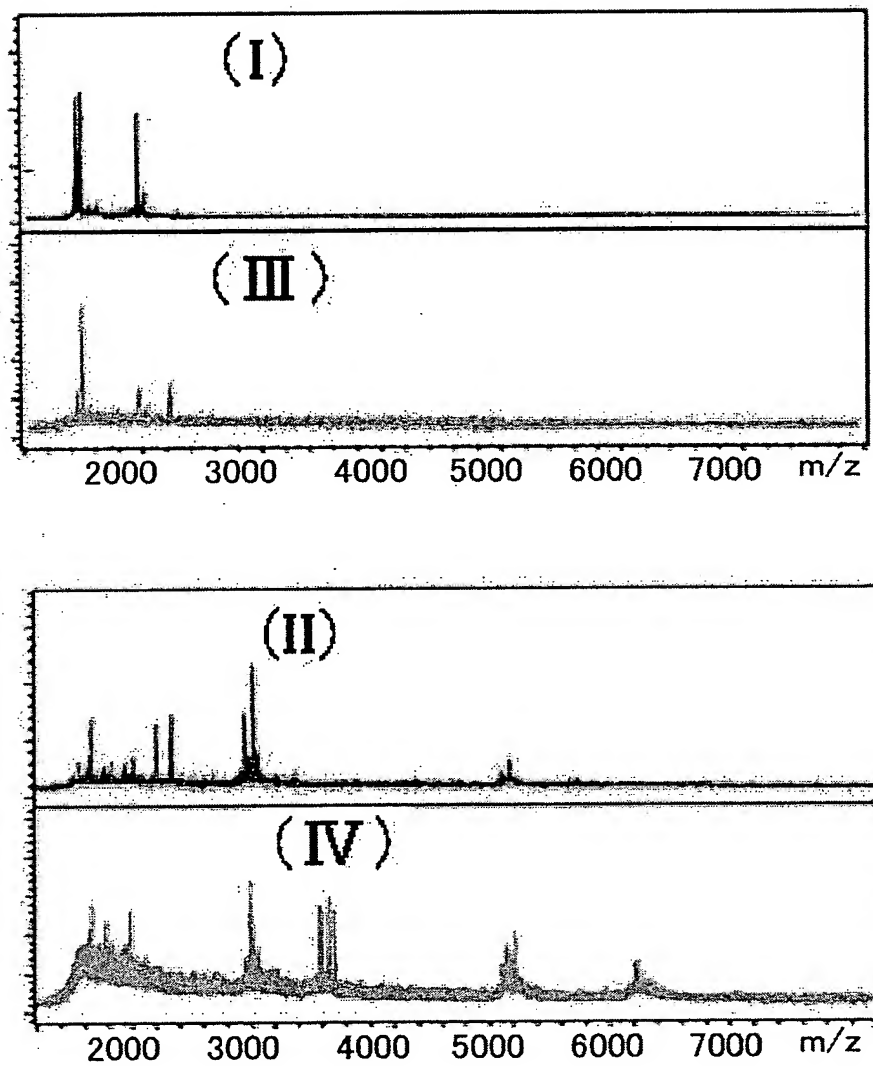
Fig. 16

Au (gold) evaporation on a MALDI-TOF circle plate for 1,500 seconds



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Fig. 17



Transferrase expressed in *E. coli*

homogenization of cells

a sugar chain-gold particle as acceptor sugar chain

Unpurified cellular lysate

TOF-Mass spectrometry measurement

TOF-Mass spectrometry measurement

Starting material

Reaction product

1058

1221

$[M+Na]^+$

$[M+Na]^+$

1000

1100

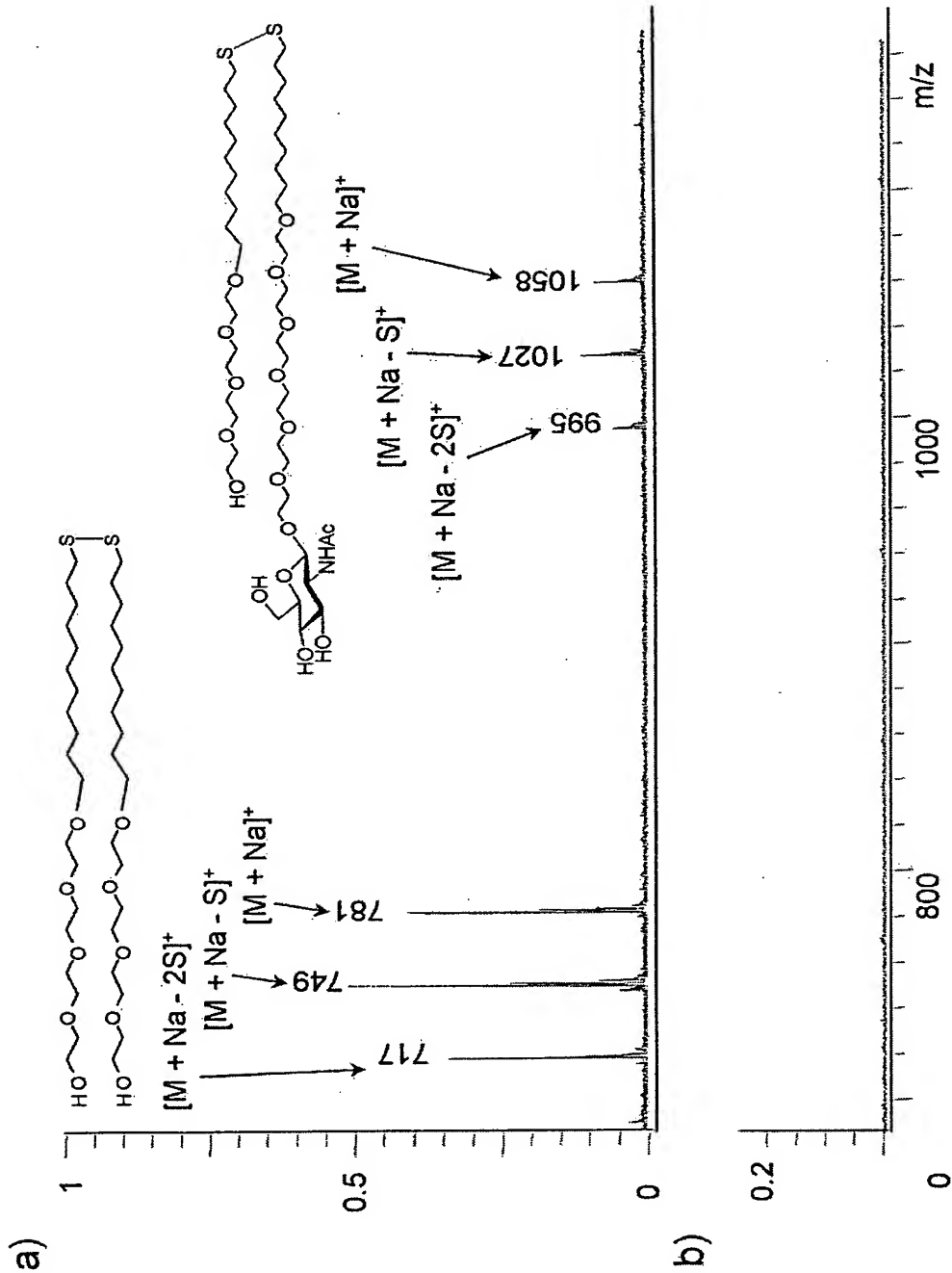
1200

1300

m/z

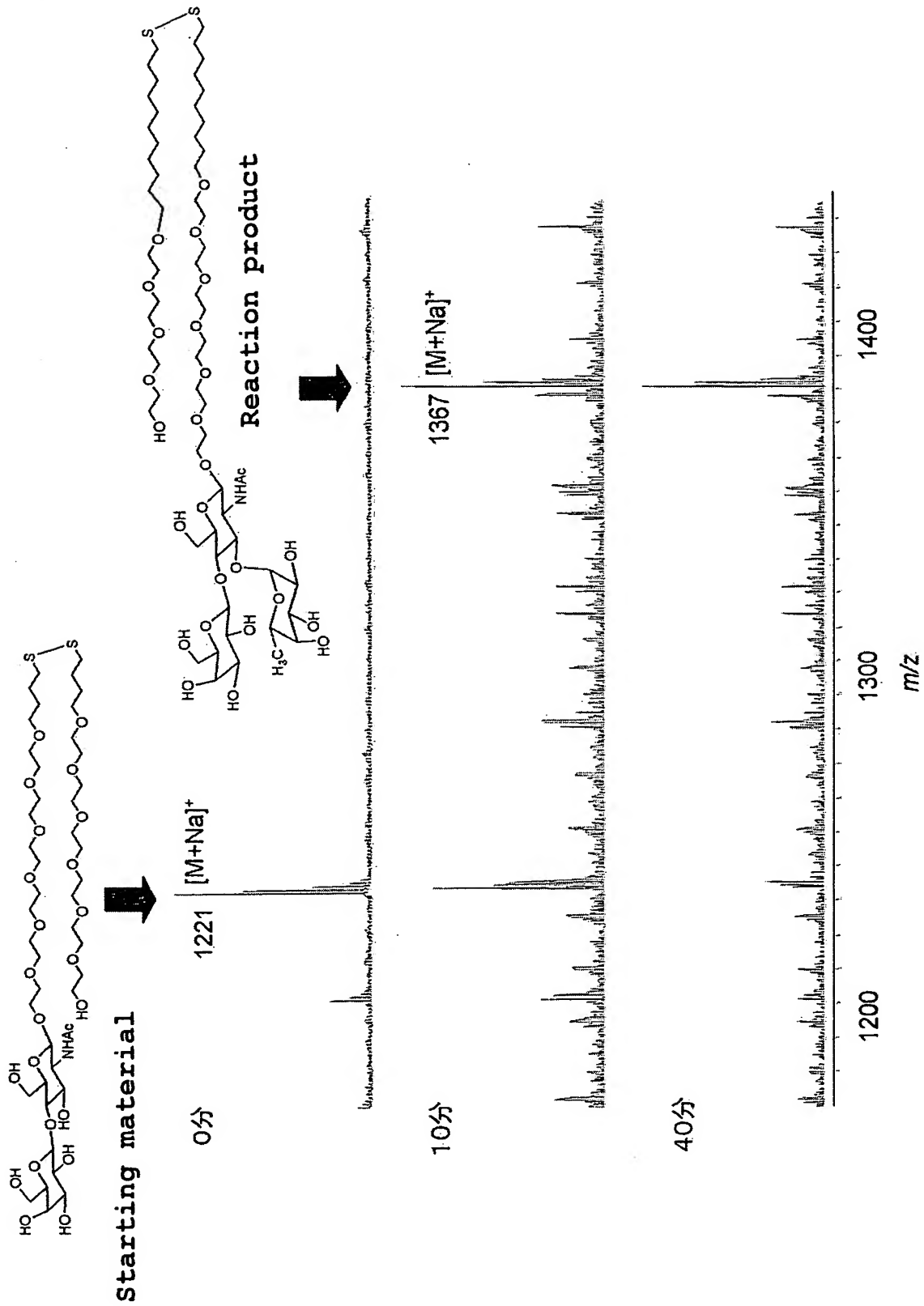
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Fig. 19



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Fig. 20



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Fig. 21

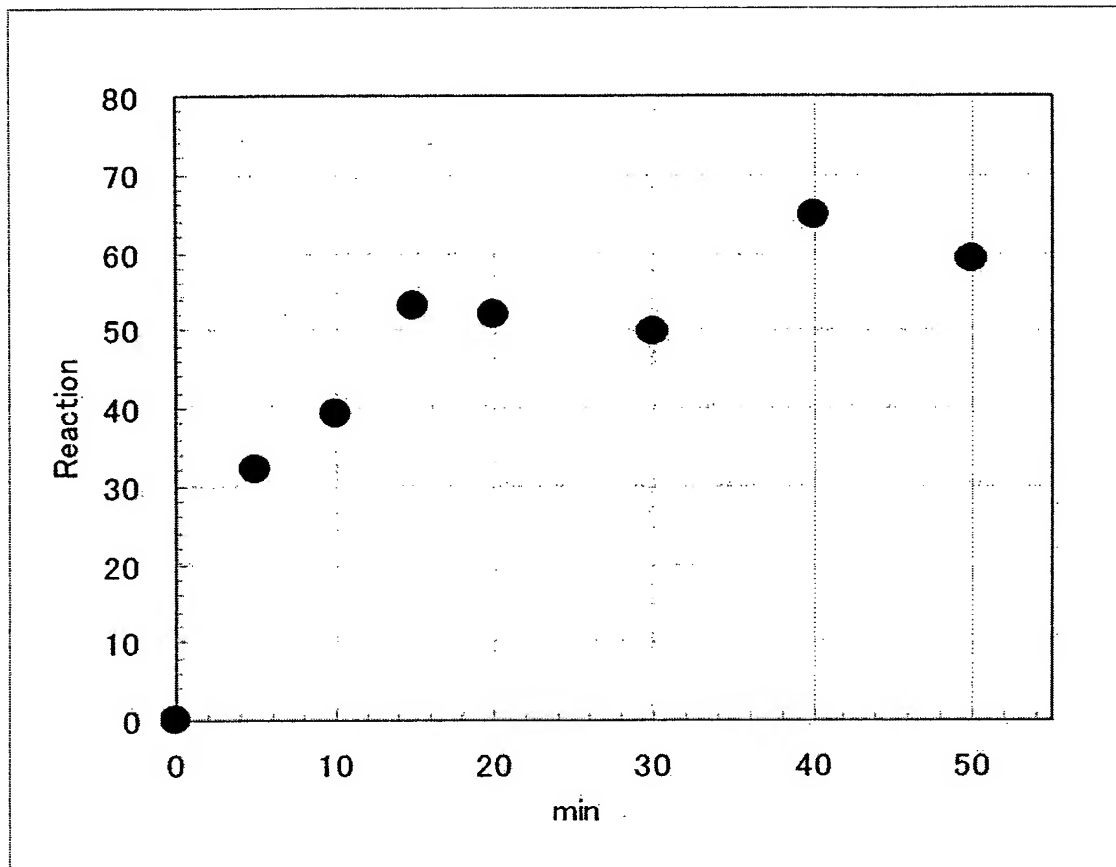
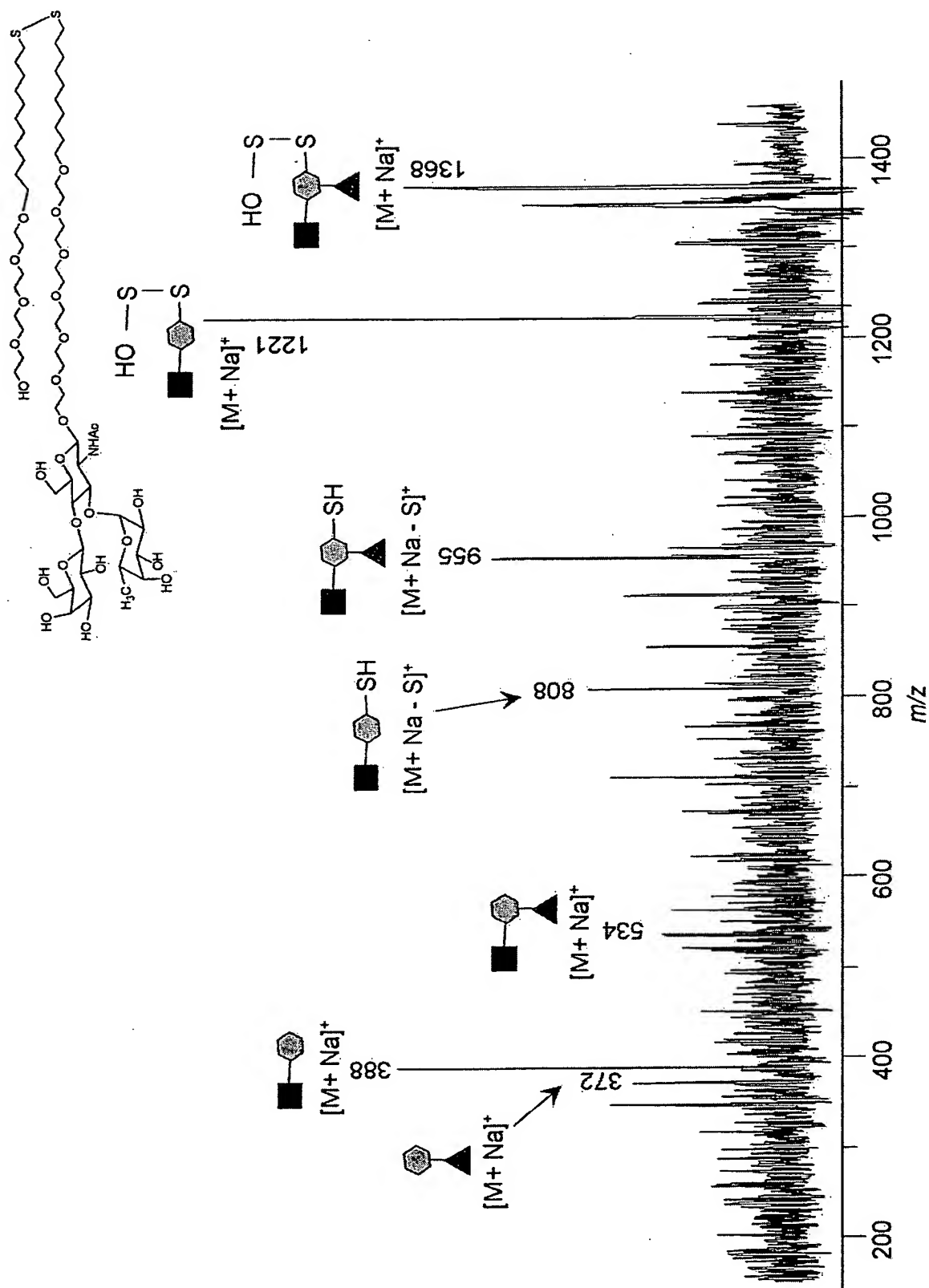
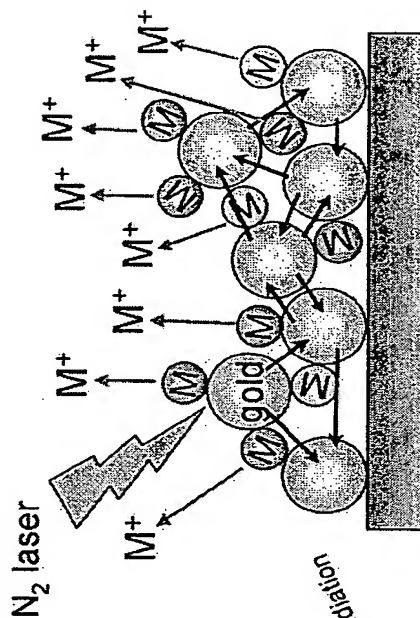
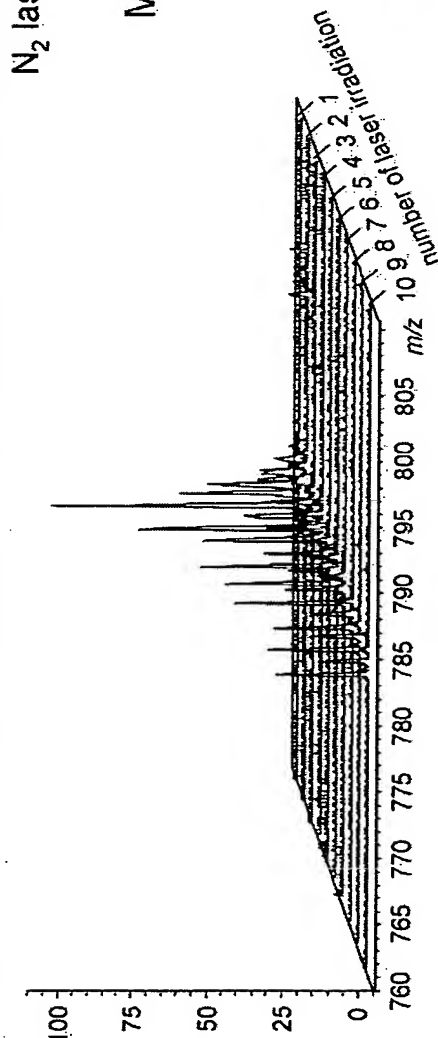
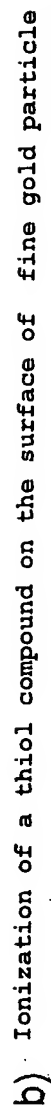
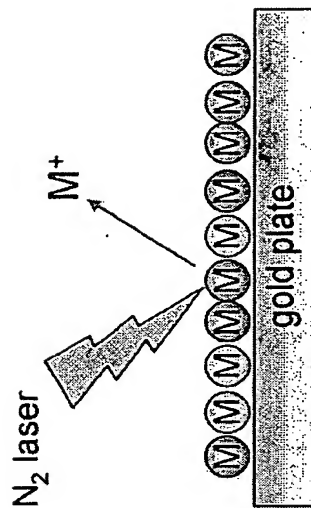
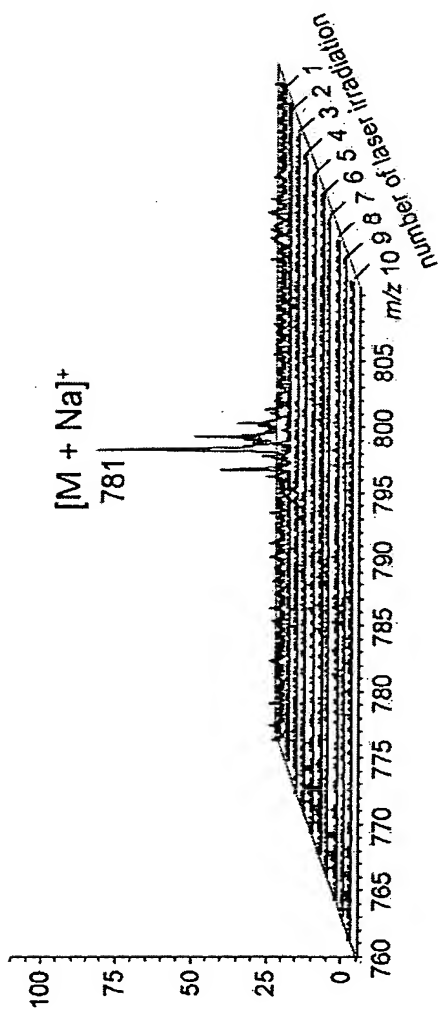


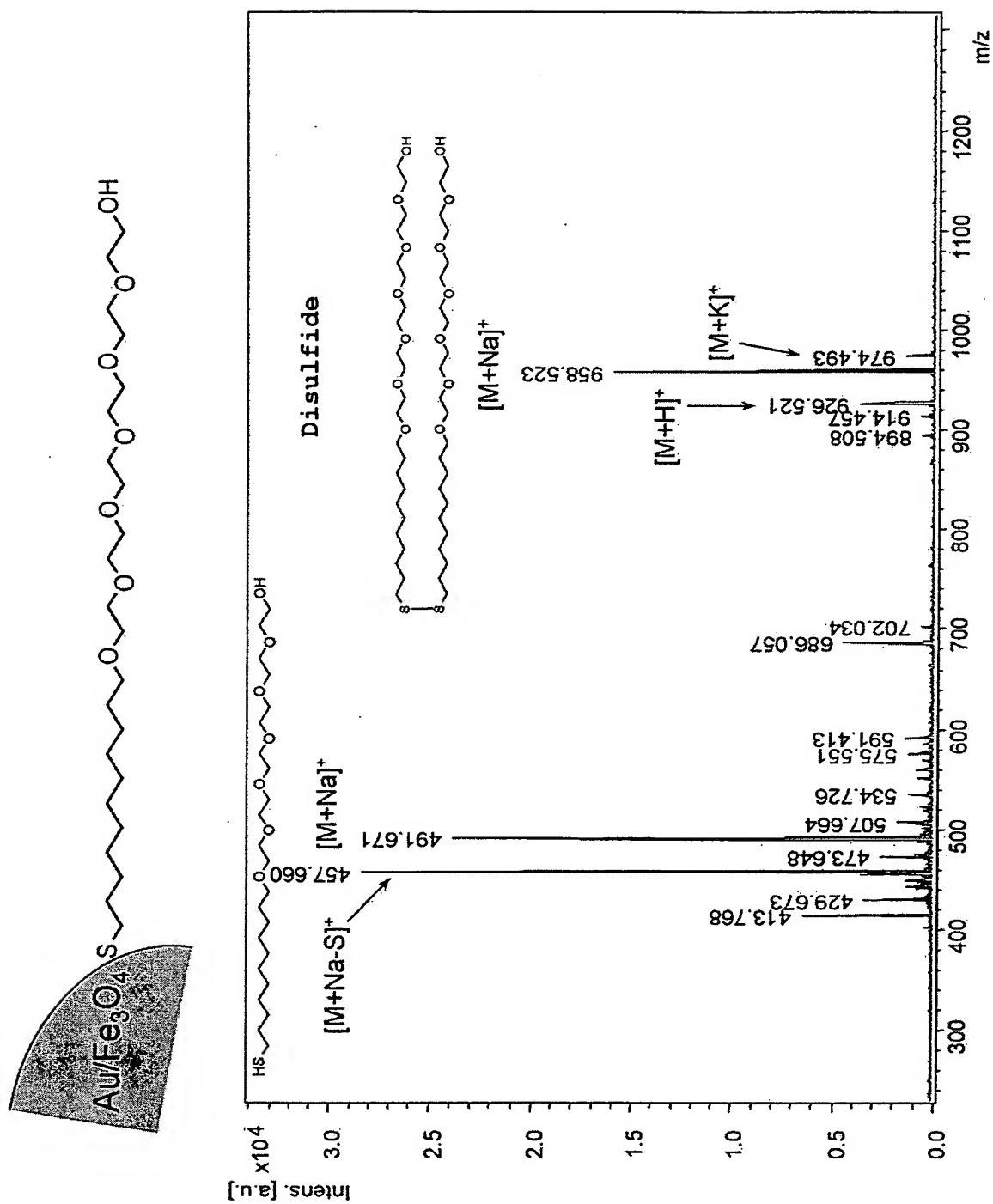
Fig. 22



[illegible]

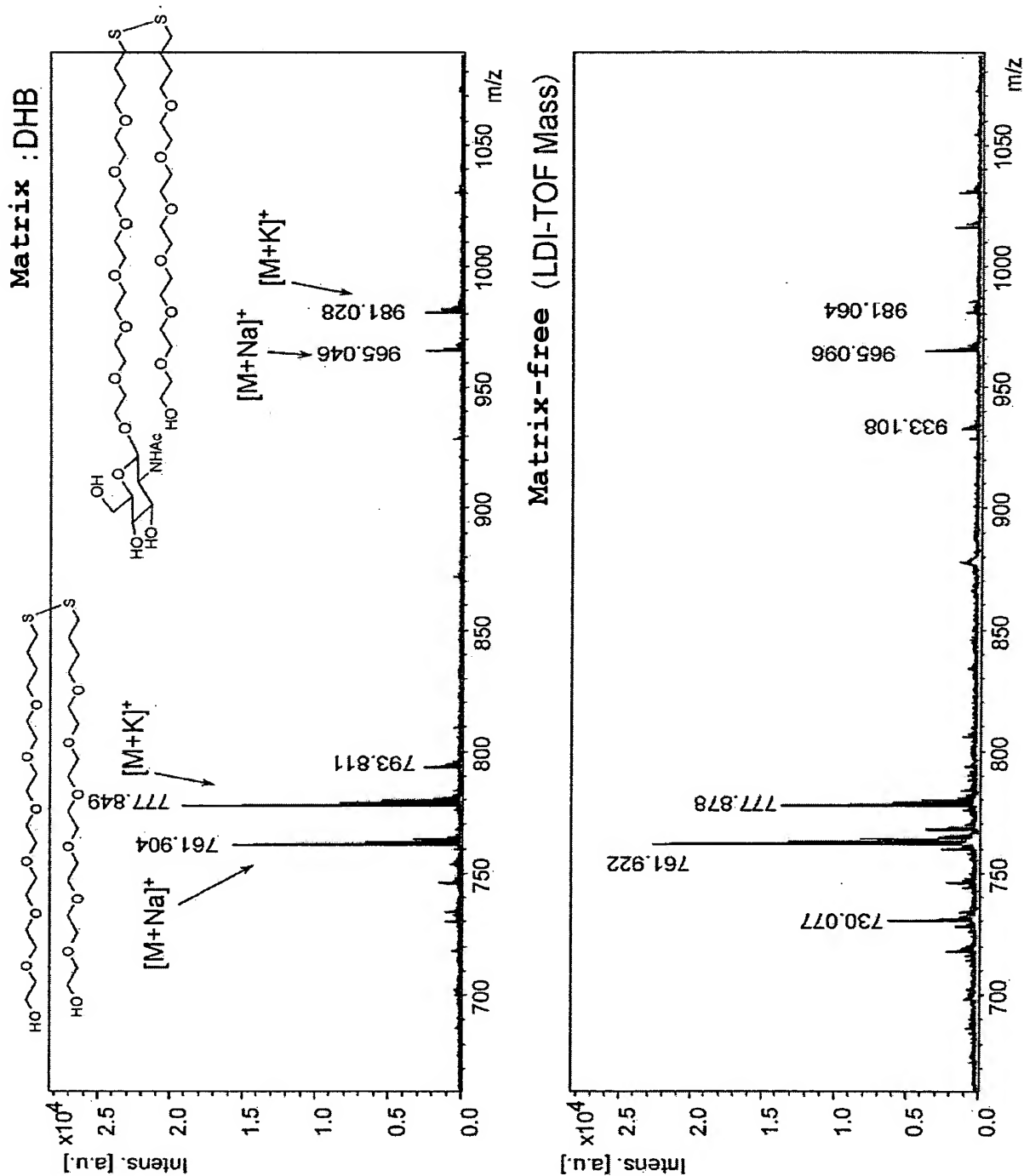
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Fig. 24



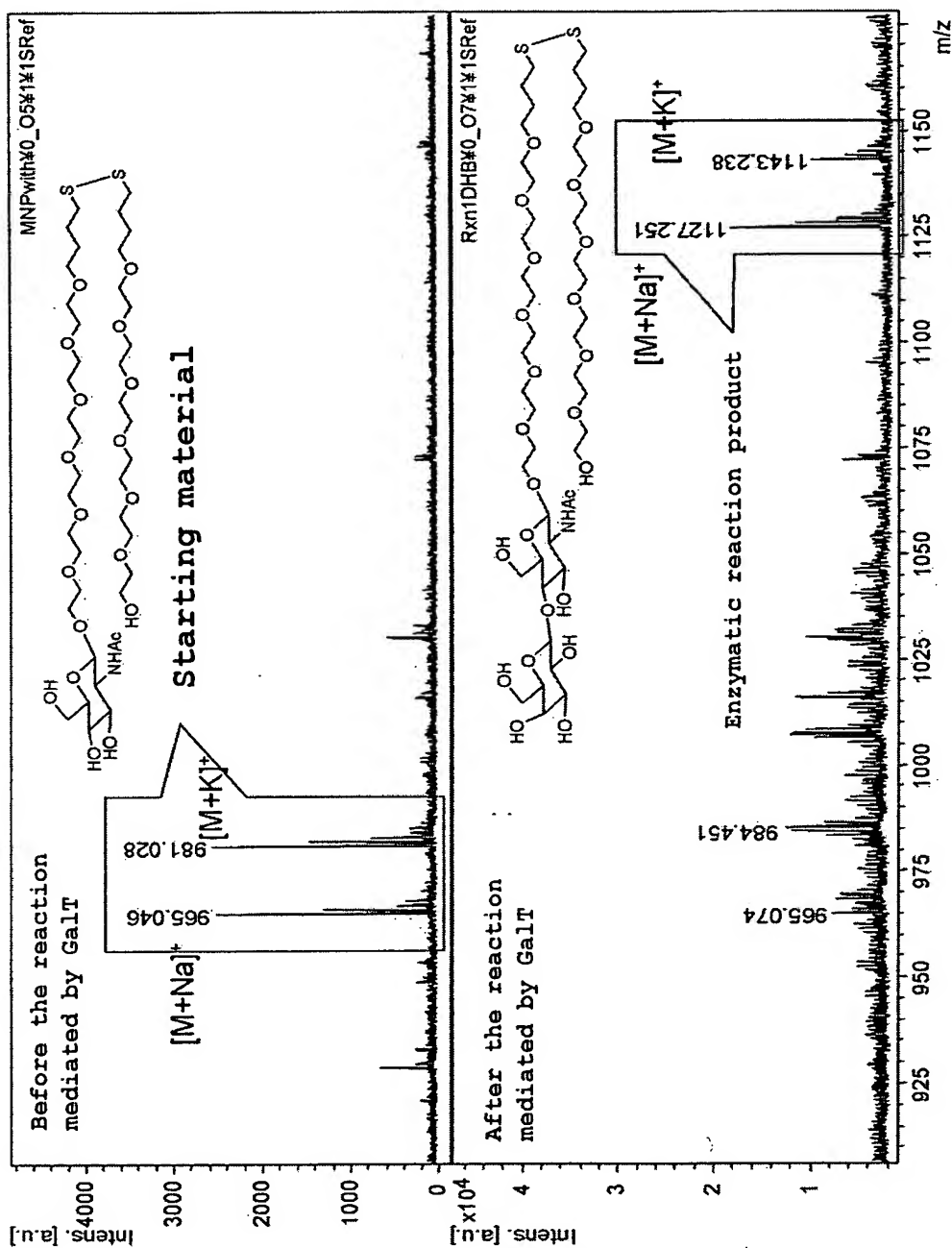
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Fig. 25



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Fig. 26



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Fig. 27

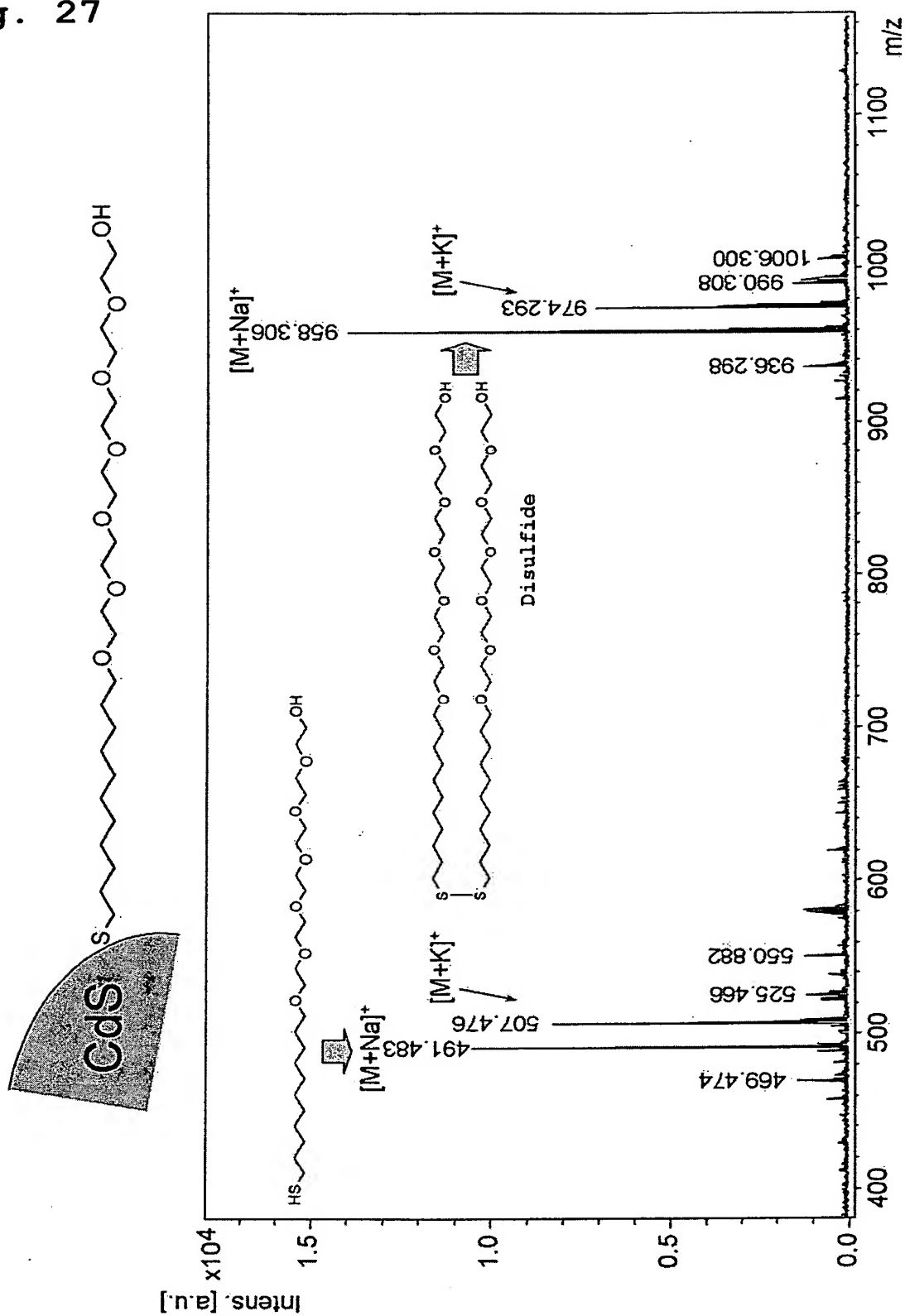


Fig. 29

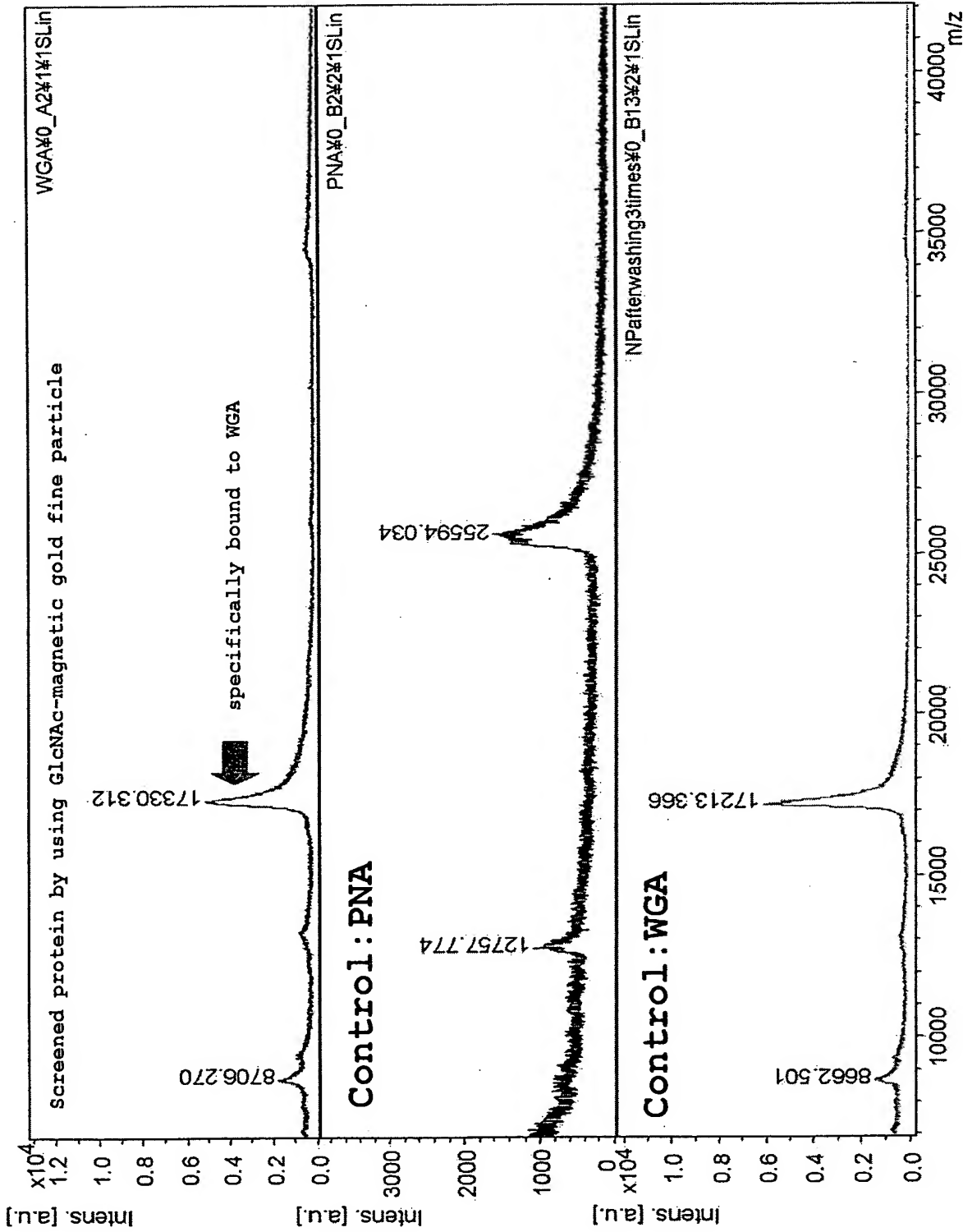


Fig. 30

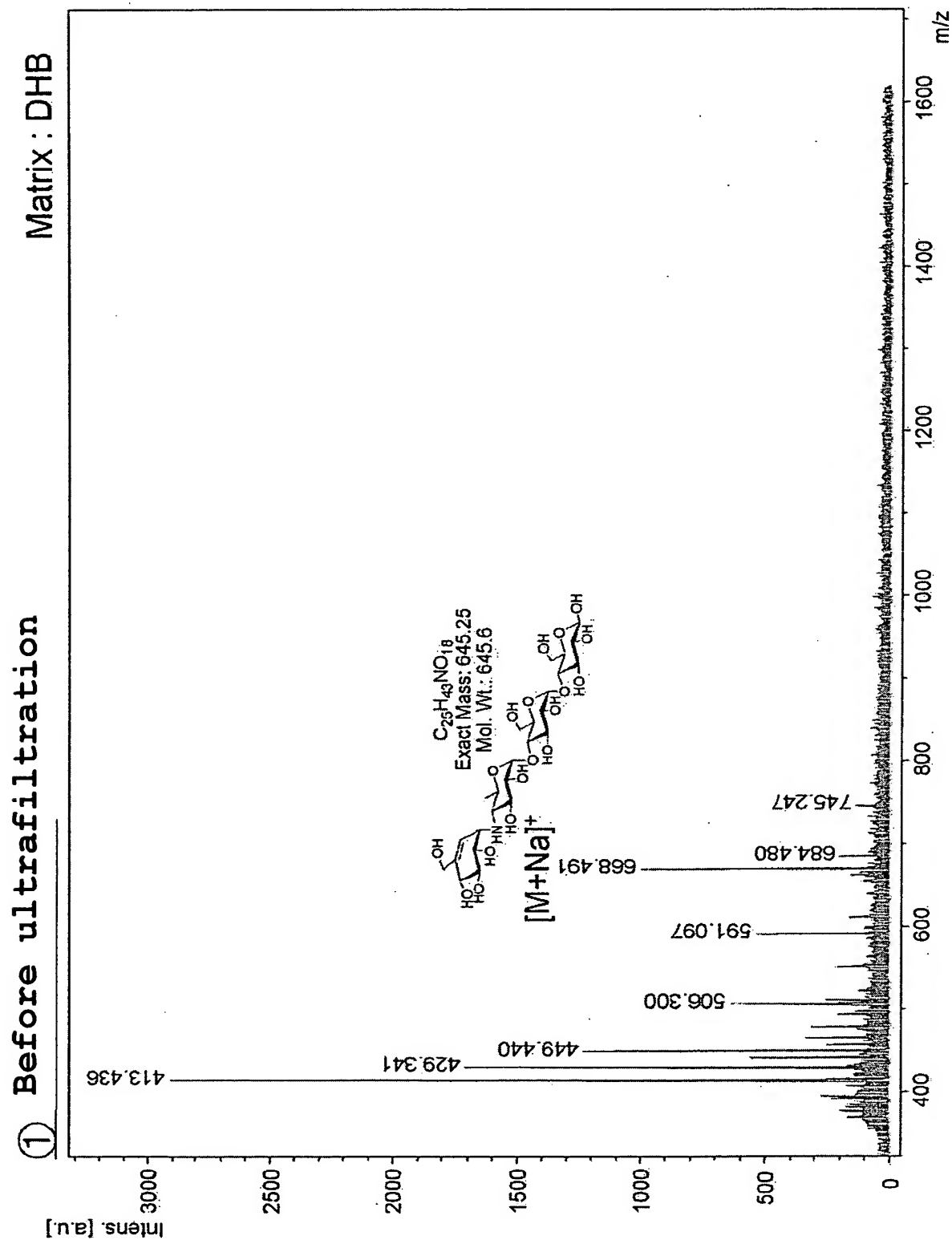
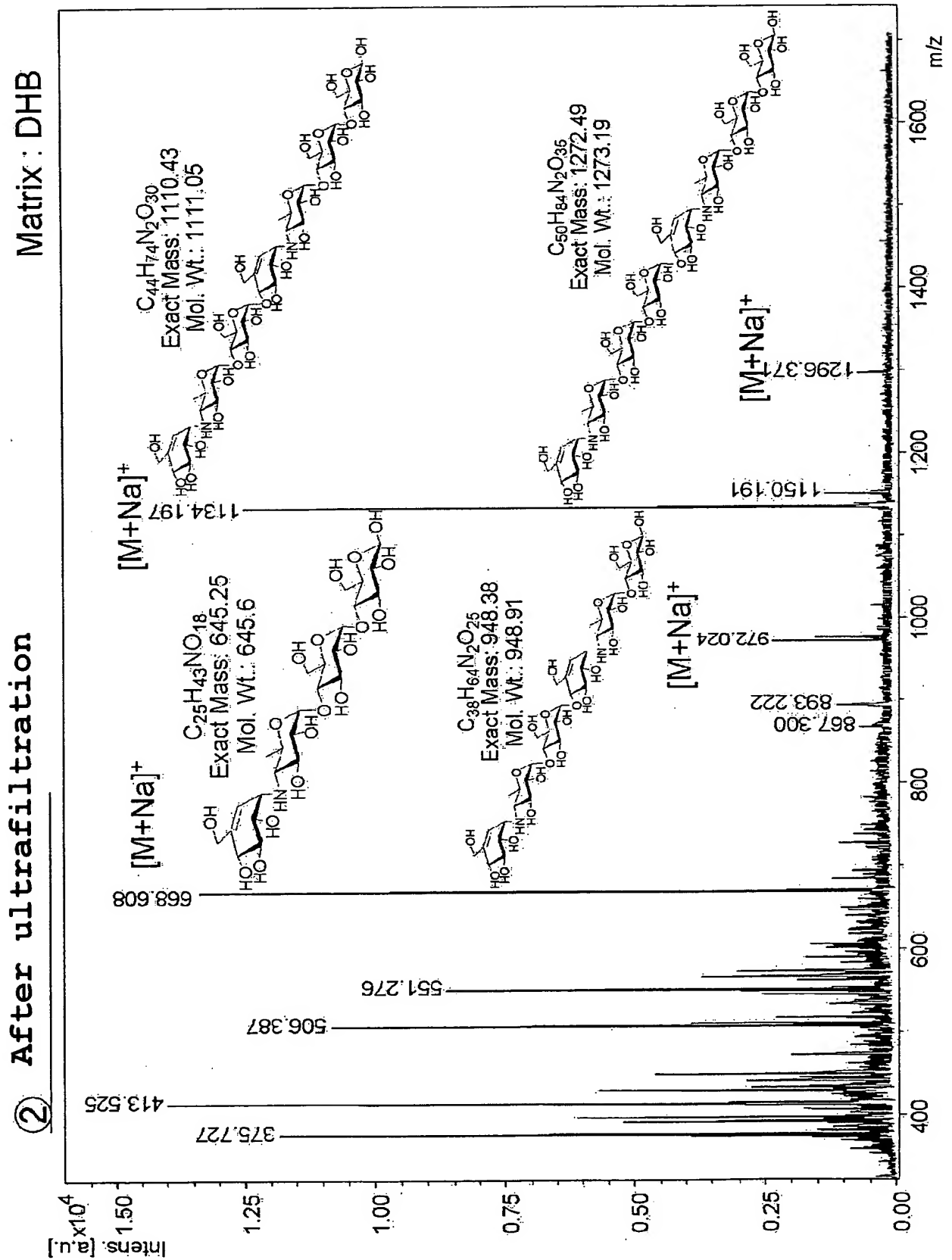


Fig. 31



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Fig. 32

